Abstract

A compound having the following structure is disclosed, which has an epoxide group and a maleimide group and can be reacted in a curing reaction to prepared a cured thermoset resin:

$$\left(\begin{array}{c} O \\ N \end{array}\right)_{n}$$

wherein m and n independently are an integer equal to or greater than one, R is a residue having at least one carbon and having a valence equal to a sum of m and n, and Y is

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